

# Logic Puzzles

Name: \_\_\_\_\_ Period: \_\_\_\_\_

- Five animals at the zoo get into an argument about their ages because the oldest gets fed first and they're all ravenous. See if you can figure out how old each animal is using the clues provided.

- Clue 1: The otter is older than the leopard.  
 Clue 2: The emu is younger than the otter.  
 Clue 3: The leopard is older than the hippopotamus.  
 Clue 4: The hippo is older than the emu and the lion.  
 Clue 5: The lion is older than the emu.

	10	11	12	13	14
EMU	*				
HIPPO			*		
LEOPARD				*	
LION		*			
OTTER					*

- Four guys are watching a football game. Four frozen pizzas are waiting in the freezer. By the end of the first quarter, all four pizzas are ready to eat. Because not all the guys like the same kind, they slice the four pizzas this way: 3 pepperoni slices, 5 cheese slices, 4 sausage slices, and 4 vegetarian slices. Use the clues to determine which guys ate which kinds of pizza, and how many slices of each?

- Clue 1: No one ate more than three slices of any one kind of pizza.  
 Clue 2: Hank ate one slice of pepperoni and one slice of vegetarian.  
 Clue 3: Peter ate one slice of vegetarian and ate three slice of one other kind of pizza.  
 Clue 4: Two of the guys ate one of each kind.  
 Clue 5: Jason does not like cheese pizza.  
 Clue 6: They all ate four slices total.

	Pepperoni slices			Cheese slices			Sausage slices			Vegetarian slices		
	1	2	3	1	2	3	1	2	3	1	2	3
Peter						*				*		
Bob	*			*			*			*		
Hank	*			*			*			*		
Jason	*							*		*		

3. Six kids had a contest to see who could eat the most ice cream. Each had one flavor of ice cream. Use the clues to determine how much ice cream each kid ate and which flavor they had.

- Clue 1: Sara ate half as many scoops as Caleb.  
 Clue 2: Neither Joey nor Loren ate raspberry.  
 Clue 3: Joey ate fewer scoops than Sydney.  
 Clue 4: The one who ate peach ice cream won the contest.  
 Clue 5: Dakota didn't eat rocky road.  
 Clue 6: Loren ate more than twice as much as Sara.  
 Clue 7: The one who ate four scoops chose vanilla swirl.  
 Clue 8: Sydney, who chose rocky road, ate three more scoops than Joey.  
 Clue 9: Loren ate three more scoops than Dakota.  
 Clue 10: Sydney ate two fewer scoops than Loren.  
 Clue 11: The one who chose chocolate ate two more scoops than the one who chose vanilla swirl.

	2 Scoops	3 Scoops	4 Scoops	5 Scoops	6 Scoops	7 Scoops	strawberry	Raspberry	Vanilla swirl	Peach	Rocky road	chocolate
Caleb					*							*
Dakota			*						*			
Joey	*						*					
Sara		*						*				
Loren						*				*		
Sydney				*							*	

4. Bob sent Little Bob out to the barn one night to count the animals there. Use the clues to determine Little Bob's results.

- Clue 1: Twice as many cows as horses.  
 Clue 2: Two more chickens than goats.  
 Clue 3: Six more goats than horses.

	2	4	6	8	10
Cats			*		
Chickens					*
Cows		*			
Goats				*	
Horses	*				